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(54) **Bias and quadrature reduction in class II Coriolis vibratory gyros**

(57) The method and apparatus in one embodiment may have the steps of: providing a two-dimensional axisymmetric oscillator having a beam containing two principal elastic axes and two principal damping axes; driving the beam with drive components to oscillate; driving, during a first period, the beam along a drive axis of the beam

in a direction normal to one pair of faces of the beam while Coriolis coupled vibration is sensed along a sense axis of the beam normal to an orthogonal pair of faces of the beam; reversing, during a second period, drive and sense axes driving the beam; reducing a bias of the beam to zero; and reducing a quadrature of the beam to zero.

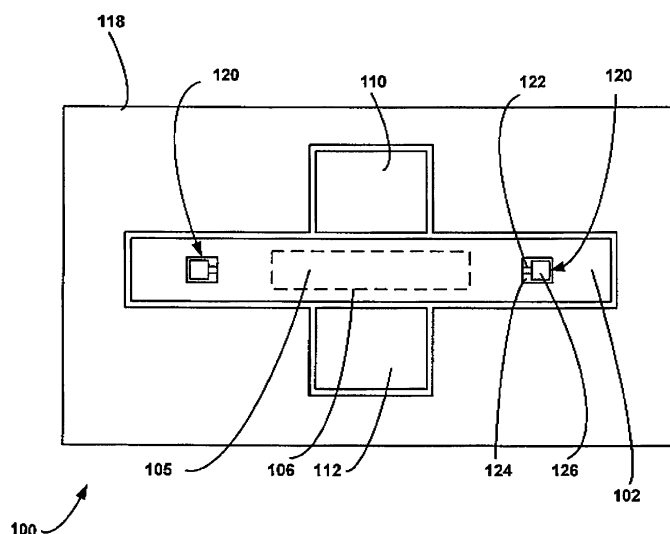


FIG. 1



European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 06 25 4149

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The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
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CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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